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The Fifth Annual  
**Edward Teller Science &  
Technology Education Symposium**  
**September 24 - 25, 2004**

Researchers at the Lawrence Livermore National Laboratory will share cutting edge science and technology with secondary and community college science educators. Participants will receive state-of-the-art science information and lessons and activities that can be used upon return to the classroom. The lessons and activities are directly linked to the California Science Standards.

**What you will do:**

This symposium was designed by educators and scientists to immerse each participant in one of six specific themes consistent with the California Science Education Standards. During this two-day event, each participant will tour LLNL laboratories related to their chosen theme, discuss current research achievements with scientists and engineers, and work side-by-side with science professionals using hands-on activities developed for classroom application.

**Select one topic from the following content themes:**

- Physics: How opto-electronic technology is used to transfer data.
- Chemistry: How chemical and isotopic analyses are used to monitor the environment.
- Biology: Tools for proteomics: finding a protein "needle" in a cellular "haystack"
- Environmental Science: How radiocarbon dating is used to determine historic events.
- Radiation Science: Detecting radiation in a radio active world.
- Biophotonics: Application of photonic technologies in biotechnology and medicine.
- Astrophysics: Plasma Spectroscopy: What happens at 100,000,000 degrees?

**Opportunities to network with science professionals:**

There will be ample opportunity to network with both science professionals and colleagues in education. Participants will share informal conversation time with LLNL science professionals during the "Dinner with a Scientist" event on Friday evening, and during activities on Saturday.

**Keynote speaker:**

Steven B. Lee is an Associate Professor and the Director of the Forensic Science Program at San Jose State University. Previously, Dr. Lee was the Director of Research and Development at the California Department of Justice DNA Laboratory and has served as a DNA expert witness.

**What you can take with you:**

- Classroom-ready lessons, with overhead slides, and activities.
- A first-hand look at state-of-the-art research facilities and research projects.
- One semester unit of college credit.

**Registration and participation:**

Participation is limited to 150 educators. U.S. Citizenship is required. Registration is available ☐ online at <http://education.llnl.gov> beginning January 2, 2004. Contact Richard Farnsworth at 925-422-5059 or [farnsworth1@llnl.gov](mailto:farnsworth1@llnl.gov) for details. Registration fee is \$100.

Endorsed by the California Science Teachers Association